

ABSTRACT OF THE DISCLOSURE**REDUNDANT INPUT/OUTPUT MANAGEMENT DEVICE,
NOTABLY FOR DATA ROUTING**

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10 The disclosure relates to a device with built-in redundancy for input/output management, notably a data routing system. The device includes first management means and second management means connected to each other via two interfaces, one a network and the other a standby line, said means mutually exchanging polling messages via these two interfaces, said first means being considered to be defective by said second means when they no longer sends messages during a given time interval on at least one of said two interfaces, characterized in that it includes at least one algorithm to reset said first and second means, the defective means being deactivated and the other means activated during the reset after detection of a failure.

15 The device is applicable to the handling of air traffic data and, more generally, to all digital data input/output management systems necessitating a high level of operational reliability without an excessive cost premium.

Figure 2.